



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IKP30N65F5	<b>Issued</b>	17. February 2022
<b>MA#</b>	MA005698763		
<b>Package</b>	PG-TO220-3-1	<b>Weight*</b>	2033.93 mg

Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip_1	inorganic material	silicon	7440-21-3	1.638	0.08	0.08	806	806
chip_2	inorganic material	silicon	7440-21-3	0.742	0.04	0.04	365	365
leadframe	inorganic material	phosphorus	7723-14-0	0.245	0.01		120	
	non noble metal	iron	7439-89-6	0.816	0.04		401	
	non noble metal	copper	7440-50-8	815.335	40.08	40.13	400865	401386
wire	non noble metal	aluminium	7429-90-5	12.003	0.59	0.59	5901	5901
encapsulation	organic material	carbon black	1333-86-4	5.891	0.29		2896	
	plastics	epoxy resin	-	111.923	5.50		55028	
	inorganic material	silicondioxide	60676-86-0	471.255	23.17	28.96	231697	289621
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10552	10552
plating	inorganic material	phosphorus	7723-14-0	0.001			1	
	non noble metal	nickel	7440-02-0	0.244	0.01	0.01	120	121
solder	non noble metal	antimony	7440-36-0	0.215	0.01		105	
	noble metal	silver	7440-22-4	0.536	0.03		264	
	non noble metal	tin	7440-31-5	1.394	0.07	0.11	686	1055
heatspreader	inorganic material	phosphorus	7723-14-0	0.177	0.01		87	
	non noble metal	iron	7439-89-6	0.590	0.03		290	
	non noble metal	copper	7440-50-8	589.466	28.98	29.02	289816	290193
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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